

## PRODUCTION OF RECOMBINANT PROTEIN

Patent number: JP3244391  
Publication date: 1991-10-31  
Inventor: YASUEDA HISASHI; NAGASE KAZUO  
Applicant: AJINOMOTO KK  
Classification:  
- International: C12N15/09; C12N1/21; C12N15/18; C12N15/26;  
C12P21/00; C12P21/02; C12R1/18; C12N15/09;  
C12N1/21; C12N15/16; C12N15/19; C12P21/00;  
C12P21/02; C12N15/09; (IPC1-7): C12N15/18;  
C12N15/26; C12P21/00; C12P21/02  
- European:  
Application number: JP19900041666 19900222  
Priority number(s): JP19900041666 19900222

[Report a data error here](#)

**Abstract of JP3244391**

**PURPOSE:** To produce a useful protein by culturing *Escherichia coli* transformed with an expression plasmid in which a DNA capable of coding the useful protein such as human B cell differentiation factor is integrated in a culture medium containing a soybean hydrolyzate added thereto. **CONSTITUTION:** An expression plasmid in which a DNA capable of coding a useful protein such as human B cell differentiation factor or human interleukin 2 is integrated is used to transform *Escherichia coli*. The resultant transformed *Escherichia coli* is then cultured in a culture medium containing a soybean hydrolyzate added thereto to produce the useful protein, which is subsequently recovered from the culture medium. The amount of the soybean hydrolyzate added to the culture medium is preferably 1-10 wt.% based on the culture medium. The culturing temperature is preferably about 20-45 deg.C, more preferably about 38-39 deg.C in the aforementioned culturing and the pH during the culturing is preferably about 5-9, more preferably about 6-7.

[Data supplied from the esp@cenet database - Worldwide](#)